

REMARKS

This is a full and timely response to the non-final Office Action (Paper No. 20) mailed by the U.S. Patent and Trademark Office on October 07, 2002. Claims 1-6, 8-14 and 29-36 are pending in the present application. Independent claims 1 and 10 have been amended. New claims 29-36 have been added. Applicants respectfully submit that support for the amendment to independent claims 1 and 10 and newly added claims 29-36 can be found in the specification on page 6, line 4 through page 7, line 8. Applicants submit that no new matter has been introduced. In view of the foregoing amendment and following remarks, reconsideration and allowance of the present application and claims are respectfully requested.

Rejections Under 35 U.S.C. §102

Claims 1-6 and 8-14 stand rejected under 35 U.S.C. §102(e) as allegedly being anticipated by U.S. Patent No. 5,920,080 to Jones. A proper rejection of a claim under 35 U.S.C. §102 requires that a single prior art reference disclose each element of the claim. *See, e.g., W.L. Gore & Assoc., Inc. v. Garlock, Inc.*, 721 F.2d 1540, 220 U.S.P.Q. 303, 313 (Fed. Cir. 1983). Anticipation requires that each and every element of the claimed invention be disclosed in a single prior art reference. *See e.g., In re Paulsen*, 30 F.3d 1475, 31 USPQ2d 1671 (Fed. Cir. 1994); *In re Spada*, 911 F.2d 705, 15 USPQ2d 1655 (Fed. Cir. 1990).

With regard to claim 1, the Office Action alleges that *Jones* discloses an organic light emitting device comprising an electrode (*Jones*'s injection enhancement, which is not shown in figures, a conducting layer, a conductive current self-limiting structure between the electrode and an organic stack adjacent the electrode and separated from the conductive current self-limiting structure by the conductor. The Office Action states that

the injection enhancing layer is over the transition layer 203, and thus, the injection enhancement layer lies between the organic stack and the current self-limiting layer.

Applicants have amended independent claims 1 and 10 and respectfully submit that at least the feature of "a current self-limiting structure comprising conducting regions dispersed in a non-conducting matrix," as recited in amended independent claim 1, and the step of "incorporating a current self-limiting structure comprising conducting regions dispersed in a non-conducting matrix within said organic light emitting device," as recited in amended independent claim 10, are neither disclosed, taught nor suggested by *Jones*.

Accordingly, Applicants respectfully submit that independent claims 1 and 10 are allowable in that they recite features and steps that are neither disclosed, taught nor suggested by *Jones*. Furthermore, Applicants respectfully submit that dependent claims 2-6, 8, 9, 11-14 and 29-36 are allowable for at least the reason that they depend either directly or indirectly from allowable independent claims. *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596, 1600 (Fed. Cir. 1988.)

CONCLUSION

For at least the foregoing reasons, Applicants respectfully request that all outstanding rejections be withdrawn and that all pending claims of this application be allowed to issue. If the Examiner has any comments regarding Applicants' response or intends to dispose of this matter in a manner other than a notice of allowance, Applicants request that the Examiner telephone Applicants' undersigned attorney.

Respectfully submitted,

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**ANNOTATED VERSION OF MODIFIED CLAIMS TO SHOW CHANGES
MADE**

In accordance with 37 C.F.R. § 1.121, please find below the amended claims in which the inserted language is underlined ("__") and the deleted language is enclosed in brackets ("[]"):

1 1. (Four Times Amended) An organic light emitting device, comprising:
2 an electrode;
3 [a conducting layer;]
4 a current self-limiting structure comprising conducting regions dispersed in
5 a non-conducting matrix [between said electrode and said conducting layer]; and
6 an organic stack located between [adjacent] said electrode and [separated
7 from] said [conductive] current self-limiting structure [by said electrode].

1 10. (Four Times Amended) A method for increasing the reliability of an
2 organic light emitting device, comprising the steps of:
3 forming an organic light emitting device including an organic stack; and
4 incorporating a [conductive] current self-limiting structure comprising
5 conducting regions dispersed in a non-conducting matrix within said organic light emitting
6 device[, said current self-limiting structure formed between an electrode and a conducting
7 layer and separated from said organic stack by said electrode].